

The HANFORD REACH



A publication of the U.S. Department of Energy for all Hanford Site employees

WATER THEY DOING?

Health physics technician Joe Hansen and operator Violet Greenough, both of Fluor Hanford, make the connection on a 4,900-gallon tanker to transfer contaminated storm water to the Effluent Treatment Facility. The storm water was trucked from the Hanford Generating Plant owned by Energy Northwest on site land leased from the Department of Energy. The March 21 transfer was the first in moving 30,000 gallons of contaminated effluent from Energy Northwest's Hanford Generating Plant, which is slated for decontamination and decommissioning. Energy Northwest personnel first learned about Effluent Treatment Facility capabilities from an article in the *Hanford Reach*.



00030167-10

Decommissioning continues at 233-S facility

Good things come in small packages. This saying is usually applied to gifts, but it's also true of the 233-S Building — that is, if “good” means the content of the package is unique and important. That's how the Bechtel Hanford-led Environmental Restoration team feels about the job they're doing to complete the first full-scale decommissioning of a plutonium processing facility at Hanford.

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Compared to its massive neighboring concrete structure, the Reduction Oxidation (REDOX) Process Canyon, the 233-S Building is small — a mere 80 feet long by 37 feet wide. Its diminutive size, however, belies the important plutonium production role it fulfilled at Hanford and the cleanup challenge it poses as a result of past contamination incidents and years of sitting idle.

“Looks can be very deceiving,” said Al Chaloupka, Bechtel Hanford’s project manager for the 233-S Decommissioning Project. Although some of the plutonium and other contaminants have been removed, Chaloupka and his team face many challenges before the project ends in 2003, including decontamination of the process room where plutonium was concentrated.

“This seemingly innocuous building still contains nearly three and one-third pounds of plutonium, along with other contaminants such as nitric acid, asbestos and neptunium,” Chaloupka explained. “With the amount of contamination still in the building, our work strategy is precise and deliberate. Our first priority has been and always will be safety.”

Built in 1953, 233-S was the Plutonium Concentration Facility for REDOX. Technicians concentrated plutonium found in the “process solution” (plutonium nitrate) that was piped to 233-S from the adjoining REDOX canyon. The plutonium was then placed in special containers and sent to the Plutonium Finishing Plant.

Two serious accidents that occurred during operations make the cleanup of 233-S very complex. In 1956, 36 grams of plutonium were spilled into the control room and spread into other parts of the building. Then a 1963 fire breached the process cell, damaging ventilation filters and leaving as much as three kilograms of plutonium unaccounted for.

In 1967, the Department of Energy retired 233-S. Other than some decontamination work that was done from 1978 to 1981 and various characterization and engineering activities that were conducted from 1981 to 1998, the building was unused.

In the past three decades, the building’s lack of heat, exposure to the weather and a leaking roof have taken their toll on its structural integrity. The weight-bearing capacity

of the roof was downgraded. The structure was settling, causing parts of the building to be physically pulled away from each other, which resulted in visible openings.

BHI tackles project

In 1995, the decision was made to decommission 233-S, and BHI began planning for the project. The decommissioning team members knew that their success required a thorough understanding of the conditions they would encounter. That understanding and the team’s readiness to safely perform the work were proven when the team successfully passed a

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series of readiness determinations, including a rigorous Operation Readiness Review (ORR) in 1998.

BHI has made much progress since field work began in 1997. Workers have removed nearly 2,000 feet of pipe and electrical conduit from the building — much of it internally contaminated with plutonium and nitric acid. More than 8,000 cubic feet of low-level radioactive waste and 13 cement cover blocks have been safely discarded in Hanford's Environmental Restoration Disposal Facility.

In June 1999, the team achieved a major milestone by removing the highly contaminated pipe between 233-S and REDOX. "This cut our final connection to REDOX," added Chaloupka.

To prepare for that job, the decommissioning team built a full-scale mock-up of a portion of the 24-foot pipe trench that carried the plutonium nitrate solution. Employees spent hours practicing the work in full protective gear that included two sets of personal protective clothing and respiratory protection. When it came time to do the work in the pipe trench, they were ready.

"I cannot say enough about the value of using the mock-up," said Jock Davis, craft supervisor for the project. "It made the actual work run very smoothly."



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The 233-S Plutonium Concentration Facility is overshadowed by the neighboring REDOX Process Canyon.

Minimizing risks

In addition to simulating work conditions because of the facility's widespread contamination, the project also relies on a higher-than-normal number of radiation control technicians, or RCTs. "There are inherent risks associated with the kinds and amounts of contamination found in 233-S," said lead technician Leisha Webb of Thermo Hanford, Inc. "To help minimize those risks, we have full-time RCT coverage for work in the building."

"Our next major challenge will be decommissioning the process cell," Chaloupka said. "This is a highly contaminated room filled with pipes and vessels where the actual concentration of plutonium occurred."

The first hurdle in the process room will be to remove or "fix in place" the loose surface contamination. Then the decontamination and decommissioning team will prepare to remove the hundreds of feet of pipe and conduit contained in the process cell. This work is planned for the next two years.

"We know there are challenges ahead," Chaloupka said. "However, I am confident of our team's ability to safely recognize and overcome any obstacles." ♦

ISMS workshop focuses on fall deadline

Korenza Burris, Fluor Hanford

During the Fluor Hanford/HAMTC Integrated Environment, Safety and Health Management System workshop on March 21 and 22, special guest speaker Ted Wyka likened ISMS implementation efforts to training for a marathon. The Department of Energy Richland Operations Office and the Hanford contractors have trained well, according to Wyka, and are conditioned to cross the ISMS implementation finish line by Sept. 30.

However, this marathon really begins when implementation is complete, Wyka said. The focus will then shift to sustaining, maintaining and continuously improving on its system for integrating safety management.

The March workshop, "Implementing, Maintaining and Sustaining ISMS," focused on gearing up for the race to the September finish line. ISMS is designed to integrate safety into work management and work practices at all levels, enabling DOE missions to be accomplished while protecting the workers, the public and the environment.



ISMS workshop participants view a display submitted by one of the workshop teams as part of a poster competition. More than 600 Hanford employees attended the March 21 and 22 ISMS training at the Tower Inn in Richland.

Hanford energy

"It's all about doing work safely," said Wyka, who serves as the director of the Safety Management Implementation Team for DOE Headquarters. He praised Hanford employees on their efforts in implementing the safety program site-wide. "I have a selfish reason for being here," he told the workshop audience. "I want to determine how to transplant some of your workforce energy across the DOE complex."

Mark Peres, manager of the Fluor Hanford ISMS Implementation Project, was thrilled with Wyka's acknowledgment, "We should be proud that the leader of DOE's ISMS efforts wants to share our work with the rest of the DOE complex. Mr. Wyka was impressed with our teamwork, enthusiasm and worker involvement."

Members of the Fluor Hanford Integrated ES&H Management System Project Team have developed an accelerated implementation strategy. This would allow Fluor Hanford and its five projects to complete ISMS implementation ahead of the national deadline. The DOE Phase I Verification Team will be at the Hanford Site April 17, and the Phase II assessment is scheduled for May 22 through the end of June.

Game boards 'n beads

The workshop was designed to build awareness and understanding of ISMS and its implementation by the companies of the Fluor Hanford



Ted Wyka, director of the Safety Management Implementation Team for DOE Headquarters, addresses the workshop attendees.

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team. The message, “do work safely,” was hammered home to 625 Hanford workers who attended this third workshop in the series. More than 2,500 Hanford workers have attended the ISMS workshops since last year.

Participants were kept busy with a full day of seminars and games focusing on the best practices, processes and techniques for effective use and implementation of ISMS. Fifteen “breakout sessions” covered such topics as effective communication, transporting ISMS knowledge into the community and the home, and how environmental requirements fit into ISMS.

The “Deming Red Bead Experiment” was a real crowd-pleaser. This role-playing exercise demonstrated the use of worker feedback, performance indicators and statistical trending. Also rated highly were a Jeopardy-like game and the “Do You Know ISMS?” game. The games challenged group members to work as a team in answering a variety of ISMS questions.

Organizations and projects that participated in the workshop included Fluor Hanford, the Hanford Atomic Metal Trades Council, the Department of Energy Richland Operations Office, the DOE Office of River Protection, Waste Management, Nuclear Material Stabilization, River Corridor, the Fast Flux Test Facility, DynCorp Tri-Cities Services, Bechtel Hanford, Analytical Services, the Volpentest HAMMER Training and Education Center and Fluor Federal Services.

The workshop, which had the same format each day, was co-sponsored by Fluor Hanford and HAMTC. ♦

SIMULATING HANFORD TANK WASTE: Desert Hills Middle School science teacher Roy McLean, left, and sixth-grade student John Bryson review John's science project. Bryson used vinegar, baking soda and table salt to simulate the salt cake and sludge in Hanford's waste tanks. McLean's students presented a variety of science projects at the end of March. John is the son of Office of River Protection Operations Program Division Director Dana Bryson.



Criticality safety expert to visit Hanford this week

Fluor Hanford has arranged for Dr. Thomas McLaughlin of Los Alamos National Laboratory to visit the Hanford Site this Wednesday and Thursday, April 5 and 6. McLaughlin has worked at LANL for more than 30 years and is widely recognized throughout the world as an expert in the field of criticality safety. He was part of a three-man team that was sent to Japan by the U.S. government to help investigate the Tokaimura criticality accident last fall.

As part of his visit to Hanford, McLaughlin will be giving a presentation to Hanford personnel on the history of criticality accidents throughout the world. This presentation will summarize many of the accidents in the former Soviet Union, Great Britain and Japan, and will focus on conduct of operations and lessons learned.

The presentation will be given in the Federal Building Auditorium this Wednesday afternoon, April 5, from 1 to 4 p.m.

This is a unique opportunity — especially for operations personnel — to learn from this expert about the experiences of others throughout the world in the management and handling of fissionable material. All Hanford employees are welcome to attend with management permission, as well as employees of Siemens Power Corporation and Energy Northwest.

If you wish to attend, contact John Fialkovich of Fluor Hanford by e-mail or at 376-4000, as seating is limited to approximately 300. Similar presentations will be given at the Fast Flux Test Facility and the Plutonium Finishing Plant. ♦



Hanford Reach readers have been seeing this cartoon series based on the fictional character, "Security Ed." Ed is a bit elusive — an armchair-quarterback kind of guy.

You are invited to help build Ed's character and the security issues he addresses. If you have an idea for Ed, please e-mail it to ^SECURITY EDUCATION PHMC or send plant mail to Security Education at mailstop L4-09. You will receive a credit line and may become eligible for prizes as part of the "Security Pays In Many Ways" awareness campaign. ♦

Hansen retiring from Hanford career spanning 35 years

You have worked in human resources at Hanford since the mid-1960s. You have seen just about everything from hiring large numbers of workers to tackling large projects for downsizing and changing missions. You are ready to retire. Where would you go?

Alaska, of course! That is Dorothy Hansen's vacation destination after she winds down her career, just shy of 35 years working for Department of Energy contractors at the Hanford Site.

Hansen is retiring from her position in workforce management and development with Fluor Hanford, but she has also worked in payroll and human resources-related positions for General Electric, Isochem, Atlantic Richfield Hanford, Rockwell Hanford and Westinghouse Hanford. During her career, Hansen managed staffing plans to hire large numbers of workers, was a member of the Communications Council that established the *Hanford Reach* as the newspaper for all Hanford Site workers, led the implementation of the PeopleSoft human resources system and worked on staffing analysis and the management of workforce restructuring for the Project Hanford Management Contract.

Given the choice to work until she had 35 years (which would have been this summer) or vacation with her husband in Alaska, Hansen said, "I made my choice to spend time with my husband."

Hansen's colleagues are not letting her go without a proper sendoff, however. An open house will be held on April 12 from 12:30 to 3:30 p.m. at 2425 Stevens, Room 110. A dinner to celebrate Hansen's retirement will take place April 14 at the Red Lion Hotel in Richland, beginning with a social hour at 5:30 p.m. and buffet dinner at 6:30. The cost of the dinner is \$25. Contact Linda Kowalski at 376-6525 to make reservations for the dinner or to donate to a retirement gift, no later than April 7. ♦



Dorothy Hansen is preparing go out this door for the last time.

Hanford excess keeps training company working

Michael Turner, Fluor Hanford

The Department of Energy, Fluor Hanford, DynCorp Tri-Cities Services, the Tri-City Industrial Development Council (TRIDEC) and a Hanford training contractor, EXITECH Columbia Corporation, or ECC, recently transferred key assets for job creation. It was a deal that, in everyone's view, was a "win-win" situation.

ECC is a 35-employee private business that serves some of the Hanford Site's vast training needs. The employees are all local, and most are either retired or former Hanford employees.

The array of training courses offered by ECC covers radiological controls, environmental safety, electrical safety, waste management and

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gement and general construction safety. The company works in conjunction with the Volpentest HAMMER Training and Education Center and offers courses in such areas as federal regulations — especially those set by the Occupational Safety and Health Administration. In all, some 150 different training opportunities are offered by ECC.

The Hanford contract makes up the bulk of ECC's business. Thanks to a recent transaction, however, the company is looking forward to a projected increase in other private-sector contracts as well as enhanced capabilities for serving Hanford's needs.

Since its inception in 1998, the company has been using training aids and materials on loan from DOE. Among the various items are computers, overhead projectors and VCRs, along with office furniture and other miscellaneous items. This equipment, like all other equipment on site, eventually became subject to the excessing process for determining when equipment is no longer needed at Hanford.

Recently, ECC faced losing the DOE equipment it had been using because the equipment was being declared excess. However, thanks to the innovation of Fluor Hanford's Economic Transition team, an arrangement was made to allow ECC to purchase the government-furnished equipment at an affordable price.

"With the help of DOE and DynCorp Tri-Cities' Investment Recovery Program, we worked to get ECC as a benefactor of this equipment via the excessing process," said Gary Miller of Fluor Hanford Economic Transition. "The result was ECC being able to purchase the equipment outright for a very favorable price that not only saves DOE Training Center costs, but also helps ECC to create community jobs as well. They were able to secure the equipment for a fraction of what it was originally purchased for, and some money is returned to the site. Considering the great shape the equipment is in, everyone wins."

The arrangement was orchestrated through the use of TRIDEC's Tri-City Asset Reinvestment Company, or TARC. TARC operates with the help of DOE funding to identify local companies with the potential for job creation through the use of excess Hanford assets. TARC was the actual seller of the equipment.

Sean Stockard, chief operating officer of TARC, said the program sells equipment at market value with a focus on creating local jobs. "The revenue from sales finances future activities to prepare Hanford assets for job creation," he said.

Dennis Bean, ECC's vice president of Operations, considers the deal to be a springboard to more opportunity for his company. "As a small business, being able to obtain this equipment for such a great price allows continuity in the service we provide our clients and positions the company to better compete for commercial work," Bean said. "The burden of having to buy all new equipment would have been substantial, from a financial viewpoint."

According to Bean, the acquisition of the equipment will also allow the business to grow in the private sector and to possibly add more staff members. "We've maintained a policy to look locally first for all new employees," he added. ♦



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Dennis Bean, vice president of Operations for EXITECH Columbia Corporation, holds an IBM Thinkpad, one of several pieces of excess Hanford equipment his company recently purchased. The equipment will allow ECC to focus more of its business in the private sector, allowing growth and job creation.



00030137-8

ECC instructor Larry DeWitt conducts training in "Nuclear Chemical Operations Fundamentals" for a group of Hanford employees. The overhead projector, tables and chairs in the room are excess Hanford equipment and were obtained through the Hanford Excess Program. The program is a collaborative effort of DOE, Fluor Hanford Economic Transition and the Tri-City Industrial Development Council.

Avoiding rear-end collisions: How close is too close?

Lt. Charles Kissler, Benton County Sheriff's Office

What causes rear-end vehicle collisions? Going too fast, going too slow, inattentiveness? When you get right down to it, rear-end collisions are caused when the vehicle to the rear cannot stop fast enough to avoid striking the vehicle in the front when it slows or stops.

How can these collisions be prevented? By maintaining a proper following distance between your vehicle and the vehicle ahead.

Many of us can remember the old advice of one car length for every 10 miles per hour. I can even remember an old, very confusing formula that involved using telephone poles along the road to gauge your distance. Those formulas tended to rely on the driver's ability to judge distances, and were not very effective. As a result, the National Safety Council adopted what is known as the "two-second rule."

Two-second rule

The two-second rule is simple to use. When you are following another vehicle, watch as it passes a fixed object such as a signpost, mile marker or the like, and count: one thousand one, one thousand two. If your vehicle passes that same object before you finish counting, you are following too closely.

This method of calculating following distance is simple, accurate and easy to use anywhere and anytime. It works well because it self-adjusts to the speed zone you are in. The distance traveled in two seconds at 55 miles per hour is greater than the distance you would cover at 35 mph. If you follow the two-second rule whether you travel on a rural highway or a city street, the following distance remains safe.

The two-second rule works under ideal conditions. However, many of today's drivers face additional circumstances that detract from the perfect driving environment. Stereo, radios, passengers, cellular telephones and other distractions can take our attention away from driving.

Three-second rule

In considering the total driving environment, the National Safety Council is giving some new advice: the two-second rule has become the three-second rule. Just follow the two-second rule and add "one thousand three" to your count. Experts have determined that the extra margin of safety afforded by this additional distance will substantially reduce your chances of being involved in a rear-end collision.

The three-second rule can save you time, money and possibly your life. *Give it a try, it works.*

The Benton County Sheriff's Office has officers available to speak to your group about traffic safety or other topics concerning law enforcement matters. To arrange for a speaker, please call the Hanford Sheriff's Office at 376-1022. ♦

Swing into spring at CREHST fund-raiser this weekend

The Columbia River Exhibition of History, Science and Technology — the CREHST museum — is hosting its “Spring Swing 2000” at the Pasco DoubleTree this Saturday, April 8, from 6:30 to 11 p.m. Hors d’oeuvres will be served from 6:30 to 8:30, and dance music will be provided from 7 to 11 by the 24-piece jazz band of the University of Idaho’s Lionel Hampton School of Music.

The band will be joined by two vocal groups that will provide swing music throughout the evening. Bob and Pat Horne will give dance lessons to those who want to learn how to swing dance.

Spring Swing 2000 is sponsored in part by the Hanford Environmental Health Foundation, the University of Idaho School of Business Alumni, NUVOTEC and Garlick Enterprises. The event is a fund-raiser for the museum, and the proceeds will help support the ongoing education program and some new exhibits. A Kennewick Man lecture series and exhibit opens in May.

Tickets are \$30 for CREHST members and \$35 for others. They’re available at the CREHST museum and at Tri-City Crest Hallmark stores, the Pasco Double-Tree, the Meadow Springs Country Club and the Tri-City Country Club. Donna Leech of Fluor Hanford also has tickets available in her office at 2420 Stevens Center, room 355A, or you can call 943-9000 for ticket information. ♦



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CREHST museum volunteer Louis Hamilton and retired Hanford pioneer Annette Heriford practice their swing-dancing technique at the museum in preparation for “Spring Swing 2000.” Heriford recalls dancing to big-band sounds at Hanford and the Pasco Naval Air Station during the war years, and she remembers an appearance by Bob Crosby and his band in 1945.

Turney the recipient of HEHF scholarship

The Hanford Environmental Health Foundation has awarded a college scholarship to Jennifer Turney, a senior at Kennewick High School. She is the daughter of Cynthia Turney of Pacific Northwest National Laboratory and Vern and Diane Turney of HEHF. The scholarship is worth \$4,000, or \$1,000 per year for four years of undergraduate study.

Turney has been on the honor roll throughout high school. She has been a member of the National Honor Society and is a National Merit Scholarship finalist. She will graduate as salutatorian of her class of 368 students, with the prestigious International Baccalaureate Diploma. She is currently the president of the Art Club.

Turney plans to study the Spanish language and Latin American cultures with an eye toward a career in publishing or international business. She has narrowed her college choices to four eastern and midwestern colleges and universities.

Turney has received many awards during her high school years. They include Outstanding Achievement Awards for language arts, social studies, history, art, Spanish and science. She also earned the Klipper Family Award for outstanding physical science students. As an active student volunteer, she initiated and organized the new after-school tutoring center at Kennewick High and recruited student volunteers. ♦



Turney

Personnel retrieval/fall arrest device re-certification course

A large number of personnel retrieval /fall arrest devices are used on the Hanford site. The units have a manufacturer's requirement for a two-year re-certification cycle. As a cost saving and efficiency effort, Plutonium Finishing Plant Maintenance is sponsoring a re-certification course that will allow Hanford personnel to inspect and re-certify retrieval and fall arrest units. OSHA course number 1095, UNI-HOIST Training, will be conducted May 5 at the Volpentest HAMMER Training and Education Center. The deadline for registration is April 17.

The training will be conducted by UNI-HOIST. UNI-HOIST is a manufacturer of fall arrest devices, retrieval winches and associated systems. The re-certification will apply only to UNI-HOIST units at this time. The subject matter will include inspection of mechanical parts and the wire cable. Contact Don Brock at 372-3910 to register, or Al Pines at 373-3305 for additional information. ♦

Take Your Children to Work Day coming soon

Students will have another chance to see Hanford up close on "Take Your Children to Work Day," scheduled for April 27. Most Hanford organizations will participate, including DOE offices, the Fluor Hanford team, the affiliate companies and other contractors listed below. (CH2M HILL Hanford Group will have the event on April 20th).

Interested parents will need to comply with safety and security regulations and submit appropriate forms, available on the Intranet at www.rl.gov/hr/instructions.htm. The firm deadline to submit forms is April 13. ♦

For more information, call your company contact:

LMSI - Barbara Daniels, 376-8457

DynCorp Tri-Cities Services - Jim Murphy, 372-8331

PTH - Erma Lewis, 372-0843

Fluor Federal Services - LeAnn Taylor, 376-2422

CH2M HILL Hanford Group - Andrea Bischoff, 373-4805

BHI - Rosemary Michaels, 375-9683

Numatec Hanford - Beth Brown, 372-8284

WMTS - Marcia Clayton, 376-0649

Fluor Hanford - Theresa Quezada, 373-0513.



Max Cooper-Ford, left, and Lori Derryberry, right, of the Office of River Protection share information about Hanford with Columbia Basin College student Lori Pock as part of the "Shadow for a Day" program on Feb. 23.

Records management spotlighted this week

This week is National Records and Information Management Week, which is being celebrated for the sixth year. It was begun in 1995 by ARMA, the Association of Records Managers and Administrators. ARMA is a professional society whose primary purpose is education in the field of records and information management. The association has 145 chapters around the world.

The purpose of this special week is to draw attention to the importance of managing records and information in every business, organization and government agency. Today's technologies make it possible for information to be created and stored in various media.

Some of the information you create becomes business records that are necessary to maintain. They reduce risk and liability and help the Hanford Site to comply with standards and regulations.

If you have questions about the management of information you're creating, contact the records and information management professionals in your company or organization. ♦

N·R·I·M·W



ARMA International • April 2-8, 2000



A JACKET FOR A HAT TRICK: Owen Berglund, a Fluor Hanford health physicist with the Analytical Services Project, tries on the personalized jacket he received for winning the 1999 ALARA Chairperson of the Year award. This is the third year in a row that Berglund has won this award. Berglund instituted significant changes to the project's ALARA program, resulting in a significant reduction in personnel dose. Dave Van Leuven, executive vice president and chief operating officer of Fluor Hanford, assists Berglund with the jacket. Berglund also received a plaque.

NOTICE OF NEW RESEARCH STUDY:

MULTIPLE CASE-CONTROL STUDY OF LUNG CANCER AND EXTERNAL IONIZING RADIATION

PURPOSE: Researchers from the National Institute for Occupational Safety and Health (NIOSH) are initiating a study of lung cancer among contractor employees who worked in reactor operations areas at the Oak Ridge National Laboratory, the Savannah River Site, the Hanford Site and the Idaho National Engineering and Environmental Laboratory. This project will begin this year and will involve updating existing records with information on deaths through 1997.

BACKGROUND ON DISEASES UNDER STUDY: Cancer of the lung is the most common cancer among men and the second most common cancer among women. Risk factors that have been associated with lung cancer include cigarette smoking, asbestos, ionizing radiation and some organic chemicals. Several epidemiologic studies of Department of Energy contractor employees have identified some groups of workers at some sites with evidence of an association between lung cancer and ionizing radiation. This association has also been seen in non-DOE populations such as Japanese atomic-bomb survivors, patients receiving therapeutic irradiation and uranium miners exposed to radon.

TYPE OF STUDY: This type of study is called "case-control." Cases are individuals who worked one day or more during the period 1943 through 1963 and who died from lung cancer through 1997. Controls are workers without lung cancer who are randomly selected from the same or similar facilities and are similar to the cases with respect to period of employment, gender and race. The number of controls is four times the number of lung cancer cases. Differences between cases and controls in risk factors for lung cancer will be examined. The study is records-based because researchers use information collected from available records, and workers are not interviewed.

CONFIDENTIALITY: Should health researchers need access to personnel records for a study, sensitive information that could be used to identify individuals, such as name and social security number, will remain confidential and be protected from public disclosure to the extent permitted by law. One or more of four mechanisms protect sensitive information: the Federal Privacy Act of 1974 limits the release of sensitive information from federally held records; certain state privacy laws may limit the release of sensitive information held by contractors; researchers under contract to the federal government are bound by the terms of their contracts to safeguard this information, as are researchers under contract to DOE contractors; and DOE, NIOSH and virtually all other federal agencies require that researchers comply with requirements of an Institutional Review Board (IRB) to protect the health, safety and records of individuals in the research. The IRB requires that researchers not use sensitive information to determine rights, benefits or privileges, that they take appropriate steps to prevent improper disclosure and establish administrative, technical and physical safeguards to prevent unauthorized use or disclosure.

STUDY SPONSORS: DOE funds NIOSH and its contractors and grantees to conduct health studies of DOE workers. NIOSH expects to complete the study in calendar year 2003.

REPORTING RESULTS: Results will be reported to the workers as soon after completion of the work as possible.

FOR MORE INFORMATION: The workscope and any local agreements with the investigators are available in the DOE Reading Room on the WSU Tri-Cities campus.

POINTS OF CONTACT: The NIOSH representative for the study is Dr. Barbara Grajewski at (513) 841-4400. The DOE Headquarters representative is Dr. Gerald R. Petersen at (301) 903-2340.



CALENDAR

Hot Hoops to benefit SARC

The seventh annual Hot Hoops 3-on-3 basketball tournament will be held June 10 and 11 in Richland. All proceeds from this fund-raiser will benefit both the education and crisis programs at the Sexual Assault Response Center. The deadline for signing up to participate is May 20. To sign up to play, or to volunteer, call SARC at 946-2377.

April events at the Hanford Technical Library

All of the following events will take place at the Consolidated Information Center, Washington State University Tri-Cities campus.

- **Library Tour** —April 6, 8:30 a.m. Take a tour of the library and find out what services are available to you in the library and on your desktop.
- **How to Find Information on the Internet** — April 13, 8:30 a.m. Learn how to tunnel through the mountains of information, and discover Internet sites that are useful for your day-to-day work.
- **Standards** — April 20, 8:30 a.m. Explore the collection of standards available at the Hanford Technical Library.

Can't make these times? The library staff members are also available for presentations at group meetings or brown-bag sessions. For more information, contact Mary Frances Lembo at 372-7441 or mf.lembo@pnl.gov.

Visit the library's Web site at <http://htlweb.pnl.gov>. The Hanford Technical Library is a site service operated by the Pacific Northwest National Laboratory.

Golf tournament to raise money for youth baseball

US West Federal Services is sponsoring the Kennewick American Youth Baseball Golf Tournament to be held April 8 at 1 p.m. at Canyon Lakes in Kennewick. The format will be four-person scrambler, with two levels of play. Families are encouraged to play. The cost is \$65 for adults, \$45 for children under 15 years of age or \$100 for a parent and child playing together. The fee includes 18 holes, cart, steak dinner and tee prizes. Other prizes will be awarded for long drive, closest to pin and hole-in-one. All proceeds go to the KAYB general fund. Call Sandy Anderson at 372-8801 or Bob Tucker at 373-0088 for more information and reserve your place by April 5.

Organizational performance topic of AQP meeting

Jim Ayers and Bob Harrison will present "Setting up a 'Global Positioning System' for Organizational Perfor-

mance” at the April 11 dinner meeting of the local chapter of the Association for Quality and Participation. The meeting will be held at the Shilo Inn in Richland. Networking begins at 5 p.m., buffet dinner at 6 and the presentation at 7. The cost is \$16 for AQP members, \$19 for non-members or \$5 for the presentation only. Make your reservation by April 6. Call 375-4773 or send an e-mail message to cburr@3-cities.com. For more information about the topic and the speakers, visit the chapter’s Web site at <http://www.3-cities.com/~gates/AQPQuest.htm>.

200 East Area lunch to support the March of Dimes

The “DynCorp North of The Wye Barricade” team is sponsoring a March of Dimes lunch on April 12 from 11 a.m. to 1 p.m., in Building 273-E, 200 East, near the intersection of 4th Avenue and Atlanta (just west of the First Aid Station). Look for the sign on the crane. Riders sausage, chili, salads and cookies are on the menu. Donation is \$5 per person, and all proceeds will go to support the March of Dimes.

NMA meeting in April features Ye Olde Merry Greenwood Players

The Hanford Chapter of the National Management Association will hold its monthly meeting on Wednesday, April 12, at the Best Western Tower Inn in Richland. Social hour begins at 5 p.m., the dinner and meeting begin at 5:45 p.m. The main attraction will be Ye Olde Merry Greenwood Players, who will act out two murder mysteries during the dinner hour. Call Linnea Williams at 372-0285 to make your reservation by noon Tuesday, April 11.

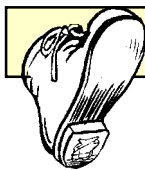
SHRM meeting slated for April 20

The Columbia Basin Chapter of the Society for Human Resource Management will feature Marilyn Hoppen discussing SHRM Online, a premier source of human resource information on the Internet, at the April 20 meeting held in the Shilo Inn, Richland. The pre-dinner social begins at 5:30 p.m. The cost is \$13 per person. Make your reservation by calling Beth Johnson at 582-4142, ext. 223 by noon on April 19.

Manager of the Year nominations open now

Manager of the Year nominations are being accepted by the Hanford Chapter of the National Management Association through Thursday, April 27. This award gives you the opportunity to recognize your manager or team leader for significant contributions to business and the community and for promoting the ideals of the American enterprise system. All Hanford leaders and managers are eligible for the award, whether or not they are members of NMA. Nominations can be made by

one or more persons, or by the nominee. Accomplishments listed in the nomination are limited to those during the past three years. Guidelines, nomination forms and a nomination example are available on the NMA Hanford Chapter Web page, <http://www.nma1.org/chapters/395/>, or by contacting Calvin Dudley at 373-6267 or Connie Eckard at 373-9314. ♦



SHOEMOBILE

Sound Safety Products

April 3

- **300 Area**,
along fence east of Wisconsin
12 noon to 4 p.m.

April 4

- **200 East Area**
northeast gravel parking lot of 2101-M
7 a.m. to 12 noon
- **200 West Area**
parking lot east of MO-281
1 p.m. to 4 p.m.

April 6

- **100K Area**
parking lot south of MO-401
1 p.m. to 4 p.m.

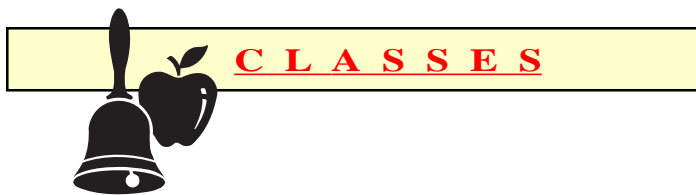
BC Sales

April 4

- **100K Area**
parking lot south of MO-401
7 a.m. to 9 a.m.
- **200 East Area**
northeast gravel parking lot
of 2101-M
10 a.m. to 11:30 a.m.
- **200 West Area**
parking lot east of MO-281
12 noon to 2 p.m.
- **300 Area**
along fence east of Wisconsin
2 p.m. to 5 p.m.

SECURITY Pays in Many Ways

Get INVOLVED!



CLASSES

Learn about the survivor personality

The National Management Association chapters, Columbia Basin Area NMA Council and Kadlec Medical Center are co-sponsoring a professional development seminar featuring Dr. Al Siebert, noted speaker and author of the best-selling book, "The Survivor Personality," on April 28 at the Best Western Tower Inn in Richland. The seminar will be from 8 a.m. to 12 noon with continental breakfast before and a luncheon afterwards. Cost of the seminar is \$35 until April 14, and \$55 thereafter through April 25. Seats are limited, so send your reservation and payment to Carrie Locke, H6-17. For more information, call Locke at 376-1111 or Bill Meader at 373-5603.

WSU's University Center for Professional Education is offering:

- **HTML and Web Page Design I** — April 10; 8 a.m.-4 p.m. Cost: \$89.
- **AutoCAD 2000 Upgrade** — April 12-13; 8 a.m.-4 p.m. Cost: \$445.
- **Dealing with Anger in the Workplace Through Emotional Intelligence** — April 11; 8 a.m.-4 p.m. Cost: \$129.

All programs are held at the WSU Tri-Cities campus, Richland. For more information or to register, call 372-7200 or send an e-mail message to ucpe@tricity.wsu.edu. Visit the Web site at www.ProEd.wsu.edu for additional offerings.

Columbia Basin College Small Business Development Center offers:

- **Making Money on the Side** — April 3 or June 5, 6-9 p.m. Cost: \$15. Instructor: Blake Escudier. The class will be held at the Energy Northwest Multipurpose Facility.
 - **Small Business Financing Resources** — April 4 and 6, 6-9 p.m. Cost: \$35. Instructor: Glynn Lamberson. The class will be held at the TRIDEC Conference Center.
 - **Small Business Planning Basics** — April 8 or May 31, 9 a.m.-12 p.m. Cost: \$15. Instructor: Blake Escudier. The class will be held at the TRIDEC Conference Center.
- The TRIDEC Conference Center is located at 901 N. Colorado, Kennewick. The Energy Northwest Multipurpose Facility is located at 3000 George Washington Way, Richland. To register or obtain more information, call Ritzy Rafer at 735-6222.

Protrain Professional Training Systems offers:

- Customizing Excel 97 and Using Macros, April 19
 - Database Management in Excel 97, April 26
- Each class is \$99 or any two for \$189.*
- Advanced Primavera Project Planning Version 3.0 Nos. 602, 603 and 604, April 3-5. Cost: \$995 for all three or \$395 for each class if taken separately.
 - Crystal Reports 7.0 Introduction, April 27. Cost: \$215.
 - Crystal Reports 7.0 Advanced, April 10 or April 28. Cost: \$215.

Call 946-1123 for more information. ♦



NEWSBRIEFS

Speech contest held for high school students

The four National Management Association chapters in the Columbia Basin Area Council recently held their American enterprise speech contests for high school students. On March 18, the winners of these four contests competed at the council-level contest held at Charter Communications in Kennewick.

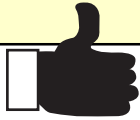
Aletha Bennett of Benton City was awarded \$500 for winning the council-level contest and \$300 for the chapter-level contest. Bennett now has the chance to compete at the next level in California on April 30. The winner of the contest in California will go on to compete at the national level. Top prize is a \$10,000 U.S. Saving Bond.

The other students participating in the council-level contest were Heather Larsen of Yakima, Alex Gilca of Richland High School and Rahul Goswami of Kennewick.

For more information on the NMA-sponsored speech contests, contact Terry Winward at 373-4002.

Recycling reminder: Don't discard viewgraphs

There are many proactive ways of recycling and reducing waste at Hanford, including a program to recycle viewgraphs. Send your recyclable viewgraphs to Dionetta Freeman at A0-25. For more information call Freeman at 373-1125. ♦



CH2M HILL Hanford Group employees recognized

The CH2M HILL Hanford Group Employee Recognition Council honored performance award winners for January and February during a luncheon held March 28 in the 2704-HV Building.

For the month of January, **Jim Hopfinger** and the team of **Mike Hay, Brenda Mims, Steve Bolt, Chip Tannahill, Bob Scribner, Jeff Weinbender** and **Lisa Herres** were winners in the safety category. Other individual winners were **Linda Hoverson, Norris Farabee, Nancy McKibban, Shanna Sansom, Bryon Bradley** and **Monica Kembel**.

For the month of February, **Scott Conrad** was the winner in the safety category. Other individual winners were **Karen Stark, Josh Herrick, Gary Sall, Sherry Vigue, Nikki Fox, Thuy Tran, Lola Webb, Fred Schmorde** and **Tracy Horner**. **Bill Zuroff, Jeff Boettger, Omar Jaka, Blake Smith, Donald Barkost** and **Jack Thompson** were the winners in the team category.

Additional information about the awards and accomplishments of the winners is on the Hanford Web site at <http://twrsll.rl.gov/recog/index.htm>. Nomination forms are available on Site Forms: A-6001-358.

CH2M HILL Hanford Group employee honored for umpiring talents

The Washington Interscholastic Athletics Association honored CH2M HILL Hanford Group employee Jim Adrian with the first-time Official of the Year award at a March 25 ceremony in Bellevue, Wash., for his accomplishments as a softball umpire.

Adrian umpired middle- and high-school softball games in the Tri-Cities, Benton City, Finley and Burbank. He taught coaches and other officials rules and mechanics of the game at a number of clinics around the state. He was umpire-in-chief at the Division 1A, 2A and B fast-pitch high-school state tournament in Yakima last May, in charge of scheduling and evaluating umpires and providing rules interpretations.



Adrian

In addition to his work at the secondary school level, Adrian also does a full schedule of Division 2 and Division 3 NCAA fast-pitch softball games. In the summer, Adrian officiates at Amateur Softball Association games.

At Hanford, Adrian is a field supervisor for Operations in the tank farms in the 200 West Area and a building administrator. He also manages the facility excellence program in the 200 East and West Areas. ♦



Vanpool ads are run for two weeks. Ads must be resubmitted to run in subsequent issues of the *Hanford Reach*. The deadline for submissions is Thursday, 10 days prior to publication.

Protection Technology Hanford reminds employees to wear their badges. Vanpool and carpool drivers are responsible for ensuring riders are badged. If a passenger forgets his or her badge, Patrol must be informed at the barricades. For more information, look on the Hanford Web in the Projects and Activities section, Safeguards and Security (PHMC) at <http://www.rl.gov:1050/sas/pg1v3htm>.

KENNEWICK

Vanpool No. 85 from Kennewick to 200E needs riders. 8x9s, first in safety, dependable and friendly. Current stops are 10th and Washington, 395 and Kennewick Ave, Federal Building, 2750, 2101-M and B Plant. Call **Eric** at 373-4497 (or at 586-2755) or **Pat** at 373-3142. 3/27

Our motto is "A little more money, a lot more room." We need riders for a vanpool on 8x9 shift. We try to keep our ridership low so we have plenty of room and a comfortable ride. The van starts at 36th and Vancouver in Kennewick, to Jean Street, down either Olympia or Vancouver to 4th, Ben Franklin lot off of Kennewick Avenue, to Hood, Canal, Edison and out to 200E. If you're interested, give **Steve Hathaway** a call at 372-0382. If you're still not sure, take a look at the pump prices next time you fuel up! 3/27

RICHLAND

8x9 vanpool looking for riders. Starts near the Richland Wye and drops off at the 300 and 400 Areas. Contact **Tom Gainey** at 373-0964. 4/3 ♦

Lost & Found

Lost hearing aid units

On March 21, DynCorp Tri-Cities Services employee Jesse Vargas lost two hearing aid units out of his shirt pocket while making deliveries to buildings in the 700, 1100 and 300 Areas, and to the 6th Street Warehouse.

Please contact Mike Beavers at 376-6804 if you find either or both of the units.